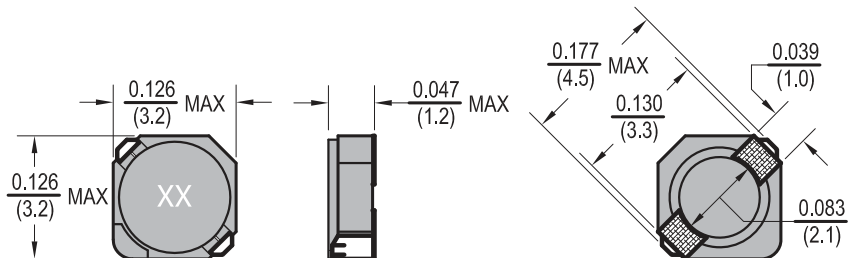




Power Chip Shielded Inductors PCS2D11



Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$



Allied Part Number	Inductance (μ H)	Tolerance (%)	Test Freq. KHz, 1v	DCR (Ω) Max	Rated Current (A)	I _{rms} (A) Typ.
PCS2D11-1R0T-RC	1.0	30	100	0.054	0.88	1.70
PCS2D11-1R5T-RC	1.5	30	100	0.068	0.90	1.48
PCS2D11-2R2T-RC	2.2	30	100	0.098	0.78	1.27
PCS2D11-3R3T-RC	3.3	30	100	0.123	0.60	1.02
PCS2D11-3R9T-RC	3.9	30	100	0.160	0.60	
PCS2D11-4R7T-RC	4.7	30	100	0.170	0.50	0.88
PCS2D11-6R8T-RC	6.8	30	100	0.260	0.44	0.80
PCS2D11-100T-RC	10	30	100	0.400	0.35	0.65
PCS2D11-150T-RC	15	30	100	0.600	0.25	
PCS2D11-220T-RC	22	30	100	0.950	0.16	

All specifications subject to change without notice.

Features

- Shielded SMD Power Inductor
- Low profile suitable for pick and place
- Low DC resistance
- Ideal for DC-DC converter applications

Electrical

Inductance Range: 1.0 μ H to 22 μ H

Tolerance: 30% over entire range

Also, available in tighter tolerances

Operating Temp: -30°C ~ +100°C

Rated Current: Current at which inductance drop is equal to 35% typ.

I_{rms}: current at which $\Delta T=40^\circ\text{C}$ temp rise

Resistance to Soldering Heat

Pre-Heat 150°C, 1 Min.

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temp: 260°C +/- 5°C for

10 sec. +/- 1 sec.

Test Equipment

(L): PM3260A / HP4284A / HP4285A

(RDC): Chen Hwa 502BC

Rated Current: HP4284A+HP42841A or

Chen Hwa 1061 + Chen Hwa 301A

Physical

Packaging: 1000 pieces per 7 inch reel.

Marking: 2 Character Alpha Code